

Title (en)

STRAINS OF THE GENUS PANTOEAE SPP. AND THE USE OF STRAINS OF THE GENUS PANTOEAE SPP. IN PLANT PROTECTION

Title (de)

STÄMME DER GATTUNG PANTOEAE SPP. VERWENDUNG VON STÄMMEN DER GATTUNG PANTOEAE SPP. IN-PLANT-SCHUTZ

Title (fr)

SOUCHES DU GENRE PANTOEAE SPP. UTILISATION DE SOUCHES DU GENRE PANTOEAE SPP. PROTECTION D'INSTALLATION

Publication

EP 4311856 A2 20240131 (EN)

Application

EP 23187343 A 20230724

Priority

PL 44183422 A 20220725

Abstract (en)

The subject of the invention is new strains *Pantoea agglomerans* T16/8 and *Pantoea allii* T14/15, deposited in the Polish Collection of Microorganisms PCM at the Institute of Immunology and Experimental Therapy of the Polish Academy of Sciences named after Ludwik Hirsfeld in Wrocław. The subject of the invention is also the use of the new strains *Pantoea agglomerans* T16/8 or *Pantoea allii* T14/15 as agents for protecting vegetable, fruit, agricultural, and ornamental plants against fungal diseases such as white rot, gray mold, alternariosis, anthracnose, brown rot, bull's eye rot, powdery mildew and blue mold, as well as bacterial diseases such as fire blight, soft rot, affecting cultivated plants, both during the growing season and during the storage of crops. Strains *Pantoea agglomerans* T16/8 or *Pantoea allii* T14/15 are applied in the form of an aqueous suspension to the plant's surface, through spraying, soaking plants or their parts under storage conditions, under cover, and in field conditions, and the cell count of the strain in the suspension is at least $10^{7.5}$ CFU/ml.

IPC 8 full level

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CPC (source: EP PL)

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Citation (applicant)

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